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Docket Number (Optional)
Time.177

Application Number
09/742,295

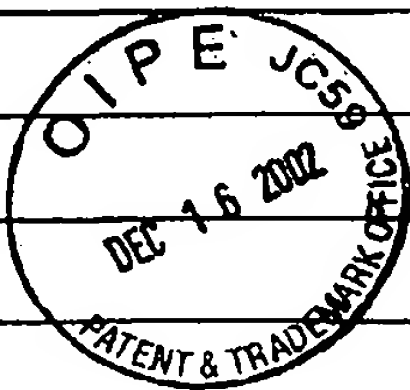
Applicant(s)
SCALORA, et al.

Filing Date
December 22, 2000

Group Art Unit
2874

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE



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FOREIGN PATENT DOCUMENTS

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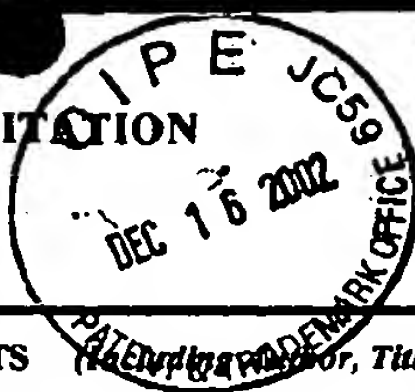
ADL		Ball, G.A. and Morey, W.W. "Continuously tunable single-mode erbium fiber laser" March 15, 1992, Vol. 17, No. 6, pp. 420-422, <u>OPTICS LETTERS</u> .
ADL		Bendickson, J.M. "Analytic expressions for the electromagnetic mode density in finite, one-dimensional, photonic band-gap structures" April 1996, Vol. 53, No. 4-B, pp. 4107-4121, <u>PHYSICAL REVIEW E</u> .

EXAMINER **John D. Lee**

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ADL	Macleod, H.A. Thin Film Optical Filters. Macmillan Publishing Company, New York, Adam Hilger Ltd. Bristol, 2nd Edition.
ADL	Bloemer, M.J. and Scalora, M. "Transmissive properties of AG/MgF2 photonic band gaps" April 16, 1998, Vol. 72, No. 14, pp. 1676-1678, <u>APPLIED PHYSICS LETTERS</u> .
ADL	Centini, M. "Dispersive properties of finite, one-dimensional photonic band gap structures: Applications to nonlinear quadratic interactions". Physical Review E, The American Physical Society, October 1999, Vol. 60, No. 4-B, pp. 4891-4898.
ADL	D'Aguanno, G.D. et al. "Enhancement of X cascading processes in one-dimensional photonic bandgap structures" December 1, 1999, Vol. 24, No. 23, pp. 1663-1665, <u>OPTICS LETTERS</u> .
ADL	Fowles, Grant R., Introduction to Modern Optics, Second Edition, 1975, Holt, Rhinehart and Winston, pp. v-vii, 33-38, 52-55, 96-103.
ADL	Haus, J.W. "Enhanced second-harmonic generation in media with a weak periodicity" Physical Review A, The American Physical Society, March 1998, Vol. 57, No. 3, pp. 2120-2128.
ADL	Marion, Jerry B., Classical Electromagnetic Radiation, 1965, Academic Press, Inc., pp. ix-xv, 148-152, 170-177.
ADL	Scalora, M. and Crenshaw, M.E. "A beam propagation method that handles reflections" Optics Communications, Elsevier Science B.V., June 1, 1994, Vol. 108, Nos. 4-6, pp. 191-196.
ADL	Scalora, M. "Dipole emission rate in one-dimensional photonic band-gap materials" Applied Physics B, Supplement, 1995, Vol. B 60, Nos. 2-3, pp. S57-S61.
ADL	Scalora, M. "Optical limiting and Switching of Ultrashort Pulses in Nonlinear Photonic Band-Gap Materials" Physical Review Letters, The American Physical Society, September 5, 1994, Vol. 73, No. 10, pp. 1368-1371.
ADL	Scalora, M. "Pulse propagation near highly reflective surfaces: Application to photonic band-gap structures and the question of superluminal tunneling times" July 1995, Vol. 52, No. 1, pp. 726-734, <u>PHYSICAL REVIEW A</u> .
ADL	Scalora, M. "Pulsed second-harmonic generation in non-linear, one-dimensional, periodic structures" Physical Review A, The American Physical Society, October 1997, Vol. 56, No. 4, pp. 3166-3174.

EXAMINER

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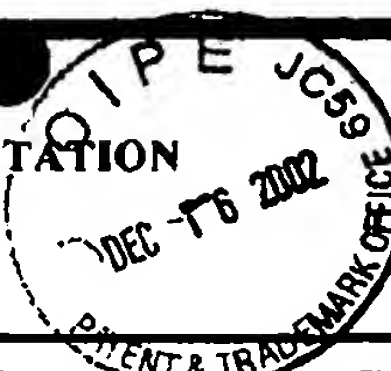
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ADDL	Scalora, M. " Ultra-short pulse propagation at the photonic band edge: Large tunable group delay with minimal distortion and loss" August 1996, Physical Review E, The American Physical Society, Vol. 54, No. 2, pp. 1078-1081.
ADDL	Tocci, M.D. "Thin-film nonlinear optical diode" May 1, 1995, Applied Physics Letters, American Institute of Physics, Vol. 66, No. 18, pp. 2324-2326.
ADDL	Ward, A.J. "Photonic dispersion surfaces" March 6, 1995, Journal of Physics: Condensed Matter, IOP Publishing Ltd., Vol. 7, No. 10, pp. 2217-2224.
ADDL	Akmediev, N. "Stability analysis of even and odd waves of symmetric nonlinear planar optical waveguides" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 230-236.
ADDL	Brown, E.R. "Radiation properties of a planar antenna on a photonic-crystal substrate" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 230-236 404-407.
ADDL	Bullock, D.L. "Photonic band structure investigation of two-dimensional Bragg reflector mirrors for semiconductor laser mode control" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 399-403.
ADDL	Chernov, V.E. and Zon, B.A. "Depolarization of laser radiation in a nonlinear medium" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 210-212.
ADDL	Chu, D.Y. and Ho, T. "Spontaneous emission from excitations in cylindrical dielectric waveguides and the spontaneous-emission factor of microgravity ring lasers" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 381-390.
ADDL	De Martini, F. "Spontaneous and stimulated emission in the thresholdless microlaser" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 360-380.
ADDL	Crook, R.J. "Long-range optical modes supported by a strong absorbing thin organic film" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 237-243.
ADDL	Dowling, J.P. and Bowden, C.M. "Beat radiation from dipoles near a photonic band edge" February 1993, J. Opt. Soc. Am. B, Optical Society of America, Vol. 10, No. 2, pp. 353-355.
ADDL	DeSalvo, R. et al. "Self-focusing and self-defocusing by cascaded second-order effects in KTP" January 1, 1992, Optics Letters, Optical Society of America, Vol. 17, No. 1, pp. 28-30.

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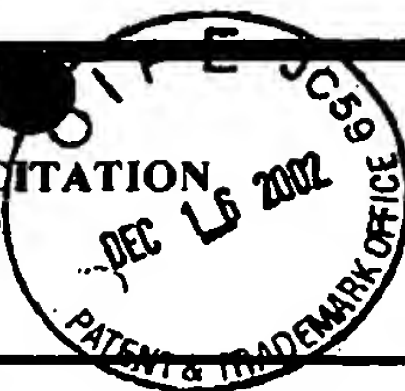
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Erdogan, T. "Enhancement and inhibition of radiation in cylindrically symmetric, periodic structures" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 391-398.

Cayford, T.K. "Application of electromagnetics formalism to quantum-mechanical electron-wave propagation in semiconductors" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 333-339.

Genzack, A.Z. and Garcia, N. "Electromagnetic localization and photonics" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 408-413.

Helmfrid, S. "Influence of various imperfections on the conversion efficiency of second-harmonic generation in quasi-phase-matching lithium niobate waveguides" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 222-229.

Kilin, S. Ya. and Fedchenia, I.I. "Statistics of random spikes in the intensity of stimulated Raman scattering: Initiation by spatially distributed fluctuations" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 199-209.

Kurizki, G. "Quantum electrodynamics in photonic band gaps: Atomic-beam interaction with a defect mode" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 346-352.

Leonski, W. "Squeezed-state effect on bound-continuum transitions" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 244-252.

Leung, K.M. "Defense modes in photonic band structures: A Green's function approach using vector Wannier functions" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 303-306.

Maradudin, A.A. and McGurn, A.R. "Photonic band structure of a truncated, two-dimensional, periodic dielectric medium" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 307-313.

Meade, R.D. "Nature of the photonic band gap: Some insight from a field analysis" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 328-332.

Montemezzani, G. "Photo refractive charge compensation at elevated temperatures and application to KnbO_3 " February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 171-185.

Mossberg, T.W. and Lewenstein, M. "Radiative properties of strongly driven atoms in the presence of photonic bands and gaps" February 1993, J. Opt. Soc. Am. B., Optical Society of America, Vol. 10, No. 2, pp. 340-345.

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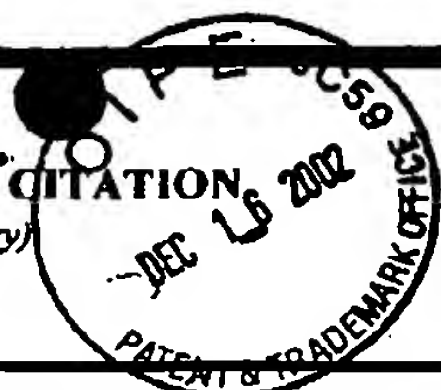
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ADL	Robertson, W.M. "Measurement of the photon dispersion relation in two-dimensional ordered dielectric arrays" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 322-327.
ADL	Smith, D.R. "Photonic band structure and defects in one and two dimensions" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 314-321.
ADL	Sozuer, H. and Haus, J.W. "Photonic bands: simple-cubic lattice" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 296-302.
ADL	Sugawara, T. "Instability in a CO2 sequence-band laser with a saturable absorber and vibration energy transfer process" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 265-270.
ADL	Tong, B.Y. "Florescence-lifetime measurements in a monodispersed suspension of polystyrene paricles" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 356-359.
ADL	Wiihekoon, W.M.K.P. "Second-harmonic generation studies of differences in molecular orientation of Lanfmuir-Blodgett films fabricated by vertical and horizontal dipping techniques" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 213-221.
ADL	Yablanovich, E. "Photonic band-gap structures" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 283-295.
ADL	Zahavi, O. " Study of amplified spontaneous emissions systems by the ray-tracing technique" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 271-278
ADL	Ziolkowski, R.W. and Jodkins, J.B. "Full-wave vector Maxwell equation modeling of the self-focusing of ultrashort optical pulses in a nonlinear Kerr medium exhibiting a finite response time" J. Opt. Soc. Am. B, Optical Society of America, February 1993, Vol. 10, No. 2, pp. 186-198.

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